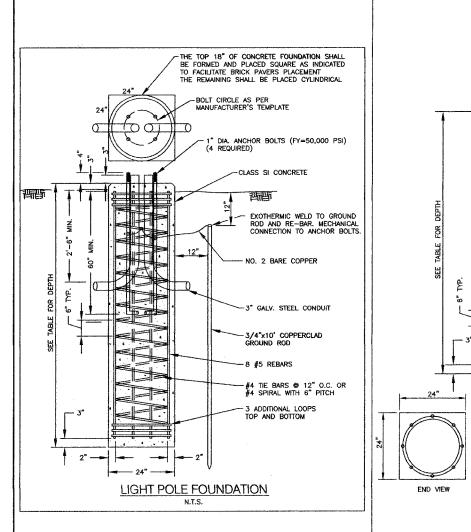
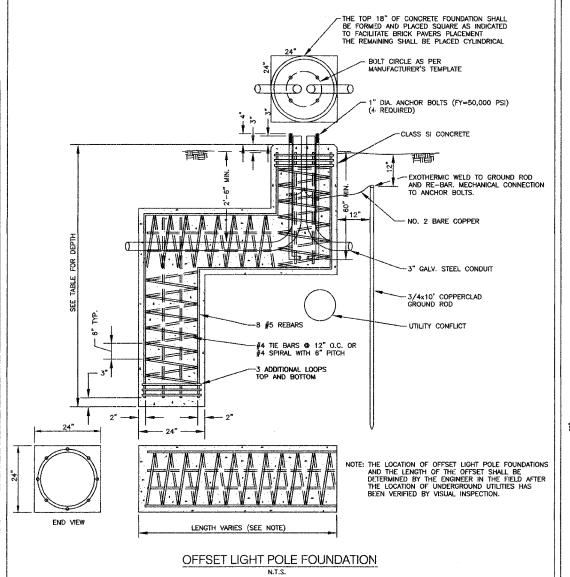


- CONCRETE SHALL BE CLASS SI WITH A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI.
- REINFORCING BARS SHALL BE NEW BILLET STEEL (ASTM A615), FY=60,000 PSI, DEFORMED PER ASTM A307.
- 3. THE HOLE FOR THE FOUNDATION SHALL BE AUGERED.
- THE TOP 10° OF THE ANCHOR BOLTS SHALL BE GALVANIZED. EACH ANCHOR BOLT SHALL BE SUPPLIED WITH TWO FLAT GALVANIZED STEEL WASHERS.

	FOUNDATION SCHEDULE	
TY	PE OF SOILS	
DESCRIPTION	STANDARDS	EMBEDMENT
SOFT CLAY	Qu = 0.25 to 0.50 tons/sq ft	9' - 8"
MEDIUM CLAY	Qu = 0.50 to 1.00 tons/sq ft	7' - 0"
DENSE CLAY	Qu = 1.00 to 2.00 tons/sq ft	6' - 0"
LOOSE SAND	N = 4 TO 10	7' - 8"
MEDIUM SAND	N = 10 TO 30	6' 6"
DENSE SAND	N = 30 TO 50	6' - 0"

RTE.	SECTION		COUNTY		SHEETS	SH N
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FED. ROAD DE	ST. NO.	ILLIN	S FED	. AID	PROJECT	
CONTRA	CT NO	43	027			





1" FLEXIBLE CONDUIT (LENGTH VARIES 20' TO 30') ATTACH TO TREE WITH PLASTIC STRAPS PROVIDE 5' SLACK TO ACCOMMODATE TREE GROWTH RECEPTACLE WITH WATERTIGHT COVER POLYMER CONCRETE JUNCTION BOX. TYPE A (QUAZITE PODB18 DG) 10 AMP IN LINE FUSE	DUPLEX GFI CUTLET AND JUNCTION BOX. ATTACH TO TREE WITH PLASTIC STRAPS. MOUNT 9"-0" ABOVE FINISHED GRADE. THE GFI CUTLET SHALL HAVE A COVER COMPLYING WITH NEC STANDARDS (406.88 2A).
GENERAL NOTES:	
EACH TREE SHALL BE PROVIDED WITH A SINGLE ACCESS BOX AND LID AS SHOWN.	
2.) EACH BOX SHALL INCLUDE A GROUND COVER KIT.	
3.) JUNCTION BOXES SHALL MEET NEC STANDARDS FOR OUTDOOR OUTLETS WITH THE LIGHTS PLUGGED IN AND SHALL BE GROUNDED WITH A GROUND ROD.	
4.) EACH BOX SHALL ALSO BE PROVIDED WITH A SECOND LID WITH ONE(1) WATER TIGHT RECEPTACLE ATTACHED TO IT FOR EACH POINT OF ACCESS NITO THE BOX. THE ADDITIONAL LIDS SHALL BE PROVIDED TO THE MUNICIPALITY UPON COMPLETION OF THE PROJECT.	
5.) ALL COVERS SHALL BE GREY IN COLOR AND HAVE THE WORD "LIGHTING" STAMPED ON IT.	
6.) DIMENSIONS IN BRACKETS ARE IN MILLIMETERS UNLESS OTHERWISE TO THE MILLIMETERS UNLESS OTHERWISE TO	PLASTIC STRAPS (TVP)
7.) THIS WORK INCLUDING BOXES, CONDUIT, LIDS AND RECEPTACLES SHALL BE INCLUDED IN THE COST OF EACH STREET TREE LIGHTING SYSTEM.	PROPOSED TREE
BRICK PAVER SIDEWALK —	TREE GRATE TO BE INSTALLED FLUSH WITH FINISHED GRADE
1" SAND (MIN.) 6" 2" MIN. TYP. PROPOSED SCHEDULE 40 PVC CONDUIT WHITE (NEUTRAL) GREEN (GROUND)	NEENAH R-8820006 (OR APPROVED EQUAL) 2" MIN. TYP. S SUBGRADE
NOTE: FOR WIRE SZING, SEE TREE LIGHTING PLANS TREE LIGHTING DETAIL N.T.S.	

	PHASE A			PHASE B	
CIRCUIT	DESCRIPTION	AMPS	CIRCUIT	DESCRIPTION	AMPS
Α	LIGHTS	12.4	В	LIGHTS	9.6
С	GFI OUTLETS	15	D	GFI OUTLETS	12
E	GFI OUTLETS	12	F	GFI OUTLETS	12
G	TREE LIGHTS	16	н	TREE LIGHTS	12
1	TREE LIGHTS	12	J	TREE LIGHTS	12
K	LIGHTS	3.2	L	GFI OUTLETS	6
	TOTAL AMPS	70.6		TOTAL AMPS	63.6

	PHASE A				
CIRCUIT	DESCRIPTION	AMPS	CIRCUIT	DESCRIPTION	AMPS
A	LIGHTS	11.6	В	LIGHTS	12.8
c	GFI OUTLETS	15] D [-	GFI OUTLETS	12
E	GFI OUTLETS	15	F	GFI OUTLETS	12
G			н		ı
1] J		
к			L		
	TOTAL AMPS	41.6		TOTAL AMPS	36.8

REVISIONS		HILIMOIS DED	PARTMENT OF TRANSPORTATION
	DATE		F.A.U.
IDOT COMMENTS 3	/27/07		YORK ROAD
		ı	IGHTING DETAILS
		_	IGHTING DETAILS
<u> </u>			
			
		SCALE: NTS	DRAWN BY: BCD
		DATE: 12/22/07	CHECKED BY: JDM